

Alok Agrawal

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

546
citations

623734

14
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

505
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical model for evaluating effective thermal conductivity of polymer composites with hybrid fillers. <i>International Journal of Thermal Sciences</i> , 2015, 89, 203-209.	4.9	73
2	Effects of aluminium nitride inclusions on thermal and electrical properties of epoxy and polypropylene: An experimental investigation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 63, 51-58.	7.6	70
3	Influence of particulate surface treatment on physical, mechanical, thermal, and dielectric behavior of epoxy/hexagonal boron nitride composites. <i>Polymer Composites</i> , 2020, 41, 1574-1583.	4.6	45
4	Development of a Heat Conduction Model and Investigation on Thermal Conductivity Enhancement of AlN/Epoxy Composites. <i>Procedia Engineering</i> , 2013, 51, 573-578.	1.2	42
5	Tyre pyrolysis oil as an alternative fuel: A review. <i>Materials Today: Proceedings</i> , 2020, 28, 2481-2484.	1.8	38
6	Thermal and dielectric behavior of epoxy composites filled with ceramic micro particulates. <i>Journal of Composite Materials</i> , 2014, 48, 3755-3769.	2.4	30
7	Effect of Al ₂ O ₃ addition on thermo-electrical properties of polymer composites: An experimental investigation. <i>Polymer Composites</i> , 2015, 36, 102-112.	4.6	29
8	Thermal, mechanical, and dielectric properties of aluminium oxide and solid glass microsphere reinforced epoxy composite for electronic packaging application. <i>Polymer Composites</i> , 2019, 40, 2573-2581.	4.6	28
9	Thermal and dielectric behaviour of polypropylene composites reinforced with ceramic fillers. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 103-112.	2.2	23
10	Mechanical, thermal and dielectric behavior of hybrid filler polypropylene composites. <i>Composites Communications</i> , 2017, 5, 36-39.	6.3	20
11	Epoxy Composites Filled with Micro-Sized AlN Particles for Microelectronic Applications. <i>Particulate Science and Technology</i> , 2015, 33, 2-7.	2.1	17
12	Physical, Mechanical and Sliding Wear Behavior of Solid Glass Microsphere Filled Epoxy Composites. <i>Materials Today: Proceedings</i> , 2020, 29, 420-426.	1.8	17
13	Physical and mechanical properties of epoxy reinforced with pistachio shell particulates. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	17
14	An experimental investigation of epoxy based hybrid composites with hexagonal boron nitride and short sisal fiber as reinforcement for high performance microelectronic applications. <i>Polymer Engineering and Science</i> , 2022, 62, 160-173.	3.1	16
15	Physical and Thermal Characterization of Red Mud Reinforced Epoxy Composites: An Experimental Investigation. , 2014, 5, 755-763.		14
16	Physical, mechanical, and sliding wear behavior of micro sized Linz Donawintz slag filled epoxy composites. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	12
17	Influence of filler content and surface modification on physical and mechanical properties of epoxy/walnut shell particulate composites. <i>Journal of Adhesion Science and Technology</i> , 2023, 37, 1215-1232.	2.6	11
18	Physical and mechanical behaviour of epoxy/hexagonal boron nitride/short sisal fiber hybrid composites. <i>Materials Today: Proceedings</i> , 2020, 28, 2166-2170.	1.8	10

#	ARTICLE	IF	CITATIONS
19	Physical and mechanical properties of epoxy/Kota stone dust/fly ash hybrid composites for light duty structural applications. <i>Polymer Composites</i> , 2022, 43, 1566-1576.	4.6	9
20	Physical, mechanical, and sliding wear behavior of epoxy composites filled with surface modified walnut shell particulate. <i>Polymer Composites</i> , 2022, 43, 7526-7537.	4.6	9
21	Integrated AHP-TOPSIS methods for optimization of epoxy composite filled with Kota stone dust. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	6
22	Environmentally Friendly Fuel Obtained from Pyrolysis of Waste Tyres. <i>Advances in Sustainability Science and Technology</i> , 2021, , 185-204.	0.6	5
23	Mechanical properties of epoxy composites filled with micro-sized kota stone dust. <i>Materials Today: Proceedings</i> , 2021, 47, 2673-2676.	1.8	3
24	Establishment of an analytical model to predict effective thermal conductivity of fiber reinforced polymer composites. <i>International Journal of Plastics Technology</i> , 2014, 18, 368-373.	3.1	1
25	Physical properties of epoxy reinforced with surface modified sisal fiber. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	1